

ENHANCEMENTS TO THE 3-CARRIER COMPACT
SOLUTION FOR IS136HS

ABSTRACT OF THE DISCLOSURE

A method enables the introduction of a 200kHz GSM-type network into a TDMA system having a bandwidth that is substantially less than a 2.5MHz bandwidth normally employed for GSM-type networks. The method provides a 52-multiframe containing 12 blocks of four consecutive frames, two idle frames, and two control channels, and rotates the control channels belonging to a serving time group over odd timeslot numbers as 7, 5, 3, 1, 7, 5, ..., etc. Preferably the rotation occurs between frame numbers $(FN) \bmod 52 = 3$ and 4. Information specifying at least the rotation direction is signalled to the mobile station in a downlink synchronization channel.

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